

PARTICULATE FILTER REGENERATING DEVICE

ABSTRACT OF THE DISCLOSURE

A particulate filter regenerating device is configured to regenerate a particulate filter that collects particulate from engine exhaust gas. The particulate filter regenerating device is configured to prevent the temperature of the particulate filter from exceeding an allowable temperature during regeneration when the quantity of accumulated particulate is estimated to be lower than it actually is due to variation of the estimate. When the amount of temperature rise per unit time of the particulate filter is larger than a prescribed value during regeneration, it is determined that the temperature of the particulate filter will soon exceed the allowable temperature and the temperature rise amount ΔT_{exh} of the exhaust gas is reduced (ΔT_{exh1} is the normal temperature rise amount). The larger the temperature rise per unit time is, the more the temperature rise amount of the exhaust gas is reduced.